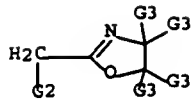
MSTR 2

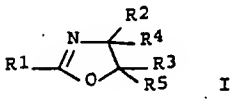


G2 = aryl (opt. substd. by 1 or more G4)
G3 = Me
G4 = halo
Patent location: claim 2
Note: substitution is restricted

L47 ANSWER 5 OF 13 MARPAT COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 125:142712 MARPAT Full-text
TITLE: Preparation of oxazolines from nitriles and aminoalcohols
INVENTOR(S): Ikehira, Hideyuki; Yanagawa, Masao
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08134048	A2	19960528	JP 1994-273475	19941108
PRIORITY APPLN. INFO.:			JP 1994-273475	19941108

OTHER SOURCE(S): CASREACT 125:142712
GI



I

AB Oxazolines I [R1 = (un)substituted alkyl, aralkyl, aryl; R2-R5 = H, (un)substituted alkyl, aralkyl, aryl] are prepared by treatment of R1CN (R1 = same as above) with NH2CR2R4CR3R5OH (R2-R5 = same as above) in the presence of Lewis acids and mol. sieves. (R)-(-)-phenylglycinol was refluxed with MeCN (containing 4% water), ZnCl2, and Mol. Sieve 4A for 7 h to give 78.5% (4R)-2-methyl-4-phenyloxazoline.

MSTR 3